

PICES FIS Committee Action Plan (2022)

Mission statement	To promote and coordinate fisheries science and interdisciplinary research in the northern North Pacific. This includes biology and ecology of living resources, particularly those that are subject to harvest or have the potential to be harvested
Specific topics	Taxonomy, Genetics, Behavior, Diet and trophic relationships, Habitat, Distribution, Abundance, Ecology, Population dynamics, Regimes and global warming, Ecosystem dynamics, Aquaculture and ocean ranching, Methods for stock assessment
Strategy	Undertake Actions that accomplish FIS Committee Goals aligned with PICES Strategic Plan Themes

Achievements

Contributions

Theme	Goal	Action	
A. Advance scientific knowledge	G.1 Understand the functioning, resilience and vulnerability of marine ecosystem	Action 1.1	Improve our understanding of North Pacific ecology
		Action 1.2	Improve our understanding of ecosystem function and resilience
	G.2 Understand and quantify how marine ecosystems respond to human activities and natural forcing	Action 2.1	Evaluate and increase the knowledge and forecasts of climate effects on marine ecosystems of the North Pacific
		Action 2.2	Evaluate potential impacts of humans on marine ecosystems of the North Pacific
		Action 2.3	Develop and evaluate potential approaches toward mitigating effects of fishing on marine ecosystems
		Action 2.4	Assess the degree to which marine resources are robust to human uses and vice versa
	B. Apply scientific knowledge	G.3 Provide scientific advice pertinent to North Pacific ecosystem	Action 3.1
Action 3.2			Improve the understanding and application of alternative stock assessment techniques and harvest strategies and their utility for fishery management approaches
G.4 Ensure that PICES products are relevant, timely, and broadly accessible		Action 4.1	Publish products related to implementation of FUTURE Science Plan and ongoing FIS activities
		Action 4.2	Link published products to the PICES website
C. Foster partnership	G.5 Collaborate with organization and scientific programs relevant to PICES	Action 5.1	Develop formal linkages with ICES, NPAFC, IPHC and other organizations on fishery areas of common interest
	G.6 Strengthen communication and engagement with users of PICES scientific products	Action 6.1	Develop outreach to local coastal communities
D. Develop capacity	G.7 Advance methods and tools to improve and enhance scientific activities	Action 7.1	Develop new tools to expand historical records of variability in North Pacific climate and biota
		Action 7.2	Improve the understanding of alternative stock assessment techniques and harvest strategies and their utility for fishery management approaches
		Action 7.3	Improve the methods and approaches available to study the biology and ecology of fishes and investments in the North Pacific
	G.8 Foster collaboration among scientists within PICES	Action 8.1	Improve opportunities for young scientists
		Action 8.2	Improve participation of all member countries in FIS activities
		Action 8.3	Facilitate data synthesis and comparison among PICES-member country scientists
G.9. Create education and training opportunities			
E. Ensure a progressive organization	G.10. Provide an effective infrastructure to support PICES activities		